

Title (en)
EXPANDABLE ENDOSCOPIC DEVICE

Title (de)
EXPANDIERBARE ENDOSKOPISCHE VORRICHTUNG

Title (fr)
DISPOSITIF ENDOSCOPIQUE EXTENSIBLE

Publication
EP 3102115 A4 20171108 (EN)

Application
EP 15743437 A 20150128

Priority
• US 201461932289 P 20140128
• US 2015013216 W 20150128

Abstract (en)
[origin: WO2015116636A1] Provided herein are expandable endoscopic devices. In accordance with certain aspects of an embodiment of the invention, an endoscopic expandable device is disclosed that comprises an expandable jaw at the distal tip, a control wire connected to the jaw, a sheath enclosing the control wire, and a handle connected to the sheath or wire having an actuating trigger. The expandable jaw is configured to allow its delivery in a retracted configuration to a target site within a patient's body through the working channel of an endoscope, after which the jaw may reconfigure to an expanded configuration that is larger than the retracted configuration. This allows the expandable jaw to be easily delivered to the target site while allowing an operable jaw size that is larger than would be allowed if limited to size of the working channel. The expandable jaw of the endoscopic expandable device may optionally be detachable from the sheath, in which case a jaw release mechanism may also be provided and controlled from the handle. The endoscopic expandable device described herein may, in accordance with certain aspects of the invention, have utility as a clip, and may, in accordance with further aspects of the invention, have utility as forceps. Also disclosed are methods of using the devices identified above.

IPC 8 full level
A61B 10/04 (2006.01); **A61B 10/06** (2006.01); **A61B 17/10** (2006.01); **A61B 17/122** (2006.01); **A61B 17/128** (2006.01); **A61B 17/22** (2006.01); **A61B 17/29** (2006.01); **A61B 17/00** (2006.01); **A61B 17/221** (2006.01)

CPC (source: EP US)
A61B 10/04 (2013.01 - EP US); **A61B 10/06** (2013.01 - EP US); **A61B 17/10** (2013.01 - US); **A61B 17/1227** (2013.01 - EP US); **A61B 17/1285** (2013.01 - EP US); **A61B 17/22031** (2013.01 - EP US); **A61B 17/29** (2013.01 - US); **A61B 2017/00269** (2013.01 - EP US); **A61B 2017/00287** (2013.01 - EP US); **A61B 2017/2215** (2013.01 - EP US); **A61B 2017/2926** (2013.01 - EP US); **A61B 2017/2931** (2013.01 - EP US); **A61B 2017/2947** (2013.01 - US)

Citation (search report)
• [X] WO 2009136397 A2 20091112 - NITI SURGICAL SOLUTIONS LTD [IL], et al
• [X] US 5891162 A 19990406 - SUGARBAKER DAVID J [US], et al
• [X] US 5514156 A 19960507 - SCHULZE DALE [US], et al
• [X] WO 2013003256 A2 20130103 - CASTLE SURGICAL INC [US], et al
• [X] WO 03013374 A1 20030220 - PENN STATE RES FOUND [US], et al
• [X] WO 2008115288 A1 20080925 - SYMMETRY MEDICAL TNCO [US], et al
• See references of WO 2015116636A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015116636 A1 20150806; CA 2938177 A1 20150806; CA 2938177 C 20200414; EP 3102115 A1 20161214; EP 3102115 A4 20171108; US 10154851 B2 20181218; US 10813656 B2 20201027; US 2016338716 A1 20161124; US 2019083117 A1 20190321

DOCDB simple family (application)
US 2015013216 W 20150128; CA 2938177 A 20150128; EP 15743437 A 20150128; US 201515114030 A 20150128; US 201816188961 A 20181113